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## 2 **ABSTRACT**

3 The invention relates to novel compositions comprising genetically engineered  
4 cells and one or more polymers. In an additional aspect, the present invention relates to a  
5 method for repairing tissue, for example, cranioskeletal or maxillary bone defects, comprising  
6 tranducing the BMP-2 gene into bone marrow stromal cells which are harvested from a subject,  
7 combining the genetically engineered cells with at least one polymer, and implanting the  
8 combination at the site of the defect. The BMP-2 protein is advantageously produced as long as  
9 the tranduced gene stays in the cells.

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